USER MANUAL

MODEL NUMBER:
GI-30N
GI-30NK
GI-30NV
AND RELATED UNITS

30 Gallon Air Operated Portable Gel Equipment

English (Original Instructions)

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

WARNING

Read this manual completely and understand the machine before operating or servicing it.

- Read all instructions before installing or operating unit.
- Always wear appropriate personal protective equipment (PPE) when operating or servicing unit.
- Always follow all chemical safety precautions and handling instructions provided by the chemical manufacturer and Material Safety Data Sheet (MSDS).
- Never point the discharge wand at yourself, another person, or any object you do not want covered in chemical.
- Always depressurize unit after use (as described in the After Use Instructions). Always store unit depressurized, with the discharge ball valve in the closed position.
- Do not exceed an incoming air pressure of 100 psi (7 bar).
- Do not exceed a fluid temperature of 100˚F (37˚C).
- Only use clean and dry air. Air must be filtered and free of moisture or pump life will be diminished. If needed, install an air dryer before unit.
- Do not use an air lubricator before the unit.

PROTECT THE ENVIRONMENT
Please dispose of packaging materials, old machine components, and hazardous fluids in an environmentally safe way according to local waste disposal regulations.

Always remember to recycle.

*Specifications and parts are subject to change without notice.

Specifications:
Hose ..... 30 feet reinforced hose, 1/2 inch inside diameter
(9 meters reinforced hose, 12.7 mm inside diameter)
Liquid Temperature ..... 40˚F to 100˚F (4.4˚C to 37˚C)

Dimensions:
Length ..... 31 in (787 mm) approximately
Width ..... 21 in (533 mm) approximately
Height ..... 37 in (940 mm) approximately
Weight, including discharge hose and wand:
(Empty) ..... 46 lbs (21 kg) approximately

Requirements:
Compressed Air Source Requirements: Air regulator (R25) is factory set at 50 psi (3.4 bar). Operating range is 40 to 80 PSI (3 to 5 bar) with 2 CFM (56.6 l/min).

Chemical Requirements: Follow all instructions from chemical manufacturer and Material Safety Data Sheet (MSDS).

Air Operated Double Diaphragm Pump Models Offered:

P56: Polypropylene body with Santoprene diaphragm

P56V: Polypropylene body with Viton diaphragm

P56K: Polypropylene body with Kalrez diaphragm

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Operation Instructions
Wearing all PPE and observing all safety precautions dictated by the MSDS for your chemical:

1. Fill the tank with the desired gel product.
2. With the discharge ball valve (HV60) in the closed position, connect an appropriate compressed air line into the air inlet fitting (AP25).
3. Open the discharge ball valve (HV60) to begin dispensing gel chemical.

After Use Instructions:

1. Flush the unit with fresh water for 5 minutes.
2. Disconnect the air line from the air fitting (AP25) and relieve any pressure remaining in the system by opening the discharge ball valve (HV60).
3. Close the ball valve (HV60) after all pressure has been relieved from the system. Store the unit with the discharge ball valve (HV60) in the closed position.

Maintenance Instructions:
To keep your portable unit operating properly, periodically perform the following maintenance procedures:

- Check the air pump (P56/P56K/P56V) for wear and leaks.
- Inspect hoses for leaks or excessive wear. Make sure all hose clamps are in good condition and properly secured.
- Replace filter (AFR25) in regulator (R25) as needed.
- Check the suction tube and screen for debris and clean as needed.
- Drain compressor tank on a regular basis to ensure proper operation of pump.

Troubleshooting Instructions:

- Check to ensure that the discharge hose is uncoiled properly, and that there are no kinks that could obstruct fluid flow.
- Check the air regulator bowl (ABR25) and air filter (AFR25) for debris such as water, oil, or rust particles. Clean by unthreading the air regulator bowl (ABR25) from the air regulator (R25).
- Check the strainer (STR38-IL) for debris or other blockages, and clean as needed. Replace strainer if damaged. Strainer must be used.
- If air passes through the pump (P56/P56K/P56V) without cycling, the pump needs to be replaced.
- Check for proper air pressure on the air gauge (AG100). The air regulator (R25) is factory set at 50 psi (3.4 bar). Operating range is 40 to 80 PSI (3 to 5 bar) with 2 CFM (56.6 l/min).
- If the unit operates at a reduced pressure:
    - Check the air compressor supplying the unit. If the pressure is less than 40 psi, turn the unit off until the compressor can catch up.
    - If the air supply is 50 psi (4.14 bar) or above, check the air gauge (AG100), which should read near 50 psi (4.14 bar). If the air gauge reads more or less than 50 psi (4.14 bar), adjust the pressure by turning the knob on the top of the air regulator (R25).

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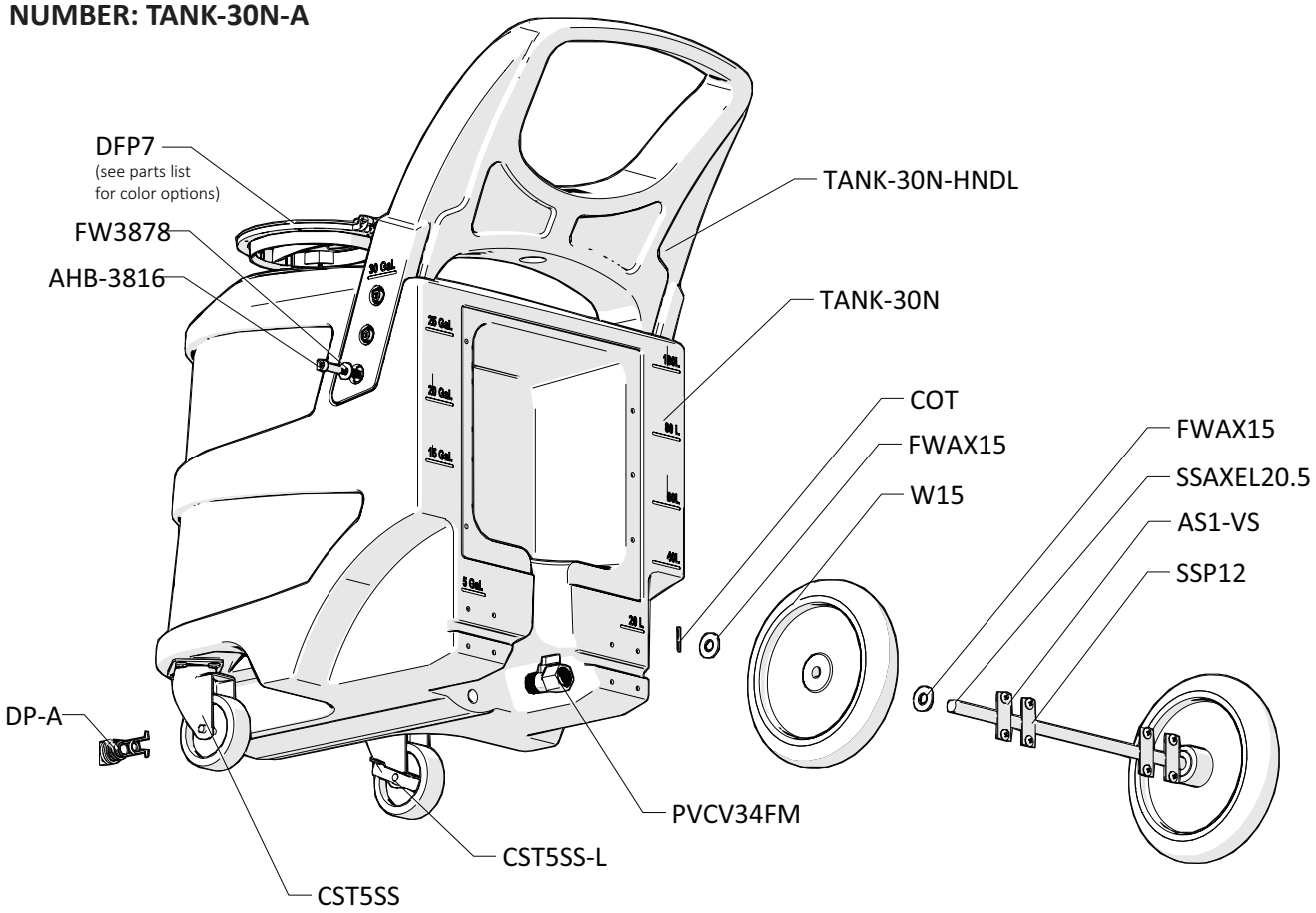
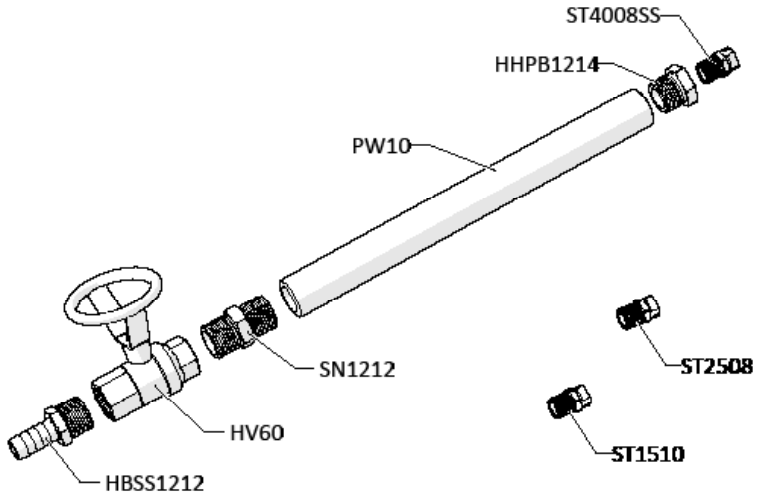
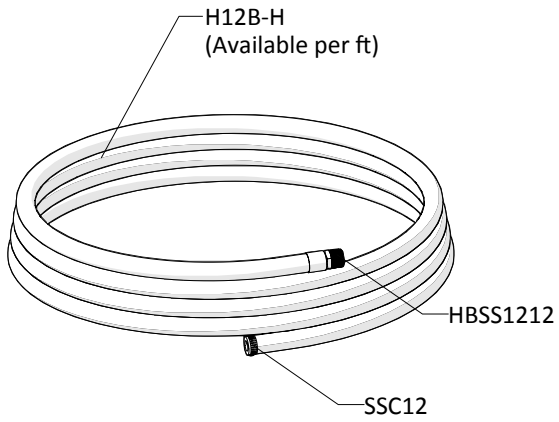
TANK ASSEMBLY
ITEM NUMBER: TANK-30N-A



DISCHARGE WAND



30 ft (9 m) HOSE ASSEMBLY
ITEM NUMBER: H12-30



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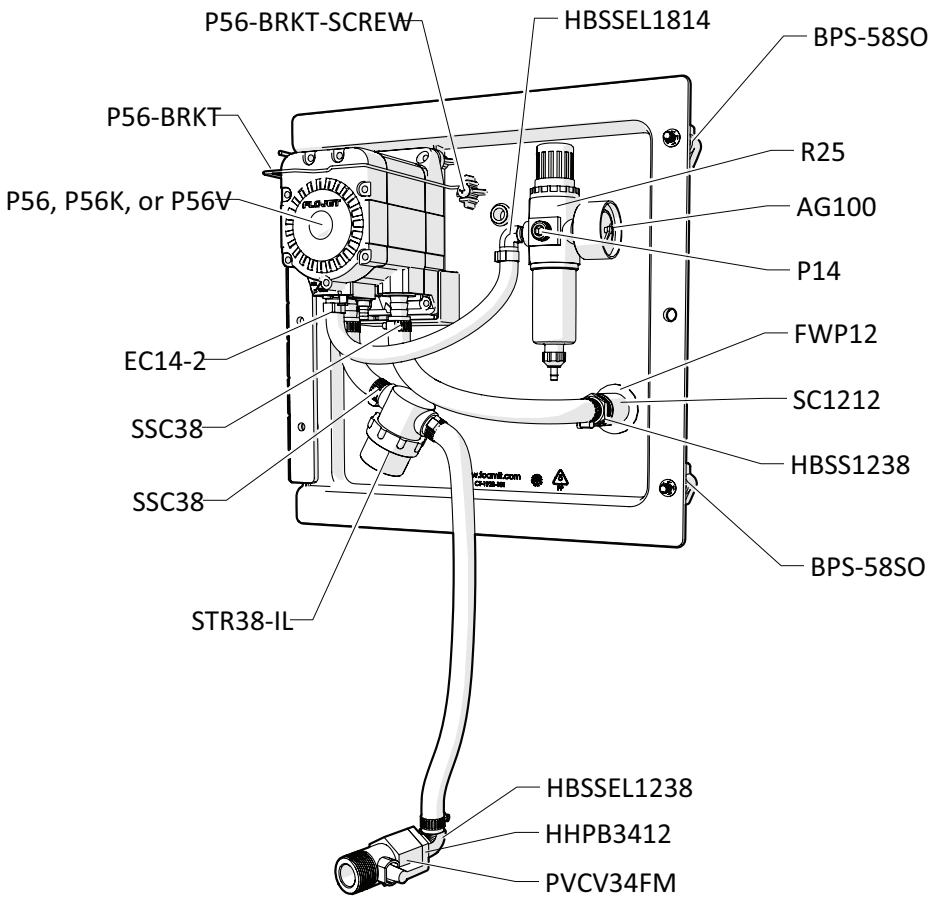
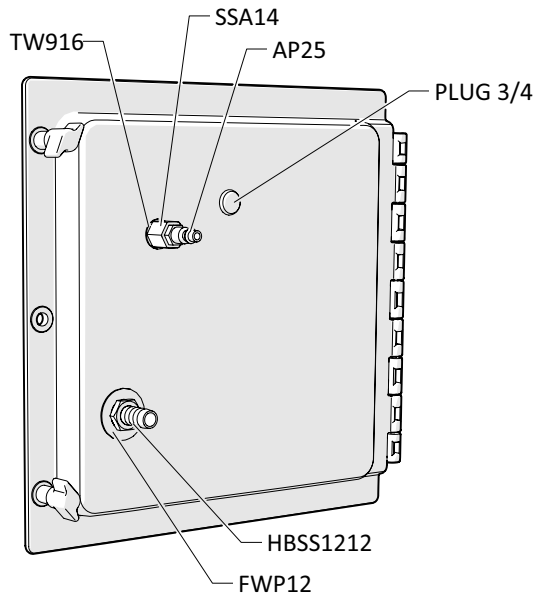
BACK PLATE
Inside View

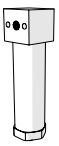


BACK PLATE
Outside View

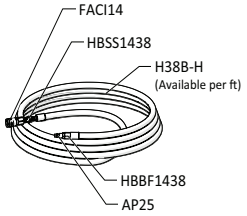


OPTIONAL COMPONENTS

WATER SEPARATOR
ITEM NUMBER: WS-20CFM



30 ft (9 m) AIR HOSE ASSEMBLY
ITEM NUMBER: AH30



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ITEM NUMBER	DESCRIPTION
AG100	1.5 INCH DRY MODEL 20 DUAL SCALE GAUGE
AH30	30 ft Air Hose w/ Quick Connect Fittings
AHB-3816	ALLEN HEAD BOLT 3/8 -16
AP25	PLUG 1/4 NPTM AIR FITTING - BRASS
AS1-VS	1/4-20 X 1/2 PHIL TRUSS MACH SCREW 19-8 W/516 ORANGE VIBRASEAL PATCH
AW516	5/16 LONG ARM HEX KEY HARD #519011
B8X58	8-15 X 5/8 inch PHIL FLAT TY-A 316 S.S.
BPS-58SO	Back Panel Screw - 5/8 inch with Stand Off
BPS-SSR	1/4 INCH PUSHNUT BOLT RETAINER STAINLESS STEEL
COT	1/8 X 1 COTTER PIN 18-8 S/S
CST5SS	5in S.S. SWIVEL CASTER WITH 4 IN WHEEL
CST5SS-L	5in S.S. SWIVEL CASTER WITH 4 IN WHEEL AND LOCK
DFP7	7 INCH HINGED CAP ASSEMBLY - INCLUDES BLACK CAP, LID FLANGE AND HINGE PIN
DFP7-C	7 INCH FILL CAP POLYPRO BLACK
DFP7-F	7 INCH TANK LID FLANGE POLYPRO
DFP7-PIN	HINGE PIN FOR DFP7-C & DFP7-C
DFP7-C-BL	7 INCH FILL CAP POLYPRO BLUE PANTONE
DFP7-C-GN	7 INCH FILL CAP POLYPRO GREEN PANTONE
DFP7-C-RD	7 INCH FILL CAP POLYPRO RED PANTONE
DFP7-C-YL	7 INCH FILL CAP POLYPRO YELLOW PANTONE
DP-A	DRAIN PLUG ASSEMBLY FOR TANK-10N TANK-20N
DP	FRONT DRAIN PLUG FOR PORTABLE UNIT POLYPRO
DP-G	FKM SQUARE CUT DRAIN PLUG GASKET
DP-INSERT	304 STAINLESS DRAIN PLUG INSERT
EC12	OETIKER CLAMP 21.0-706R
EC14-2	OETIKER CLAMP 13.8
F12SS	STAINLESS .875 ID FERRULE FOR 1/2 INCH HOSE
FW38X78	FLAT WASHER 3/8X7/8 X 13/32X.050
FWAX15	FLAT AXLE WASHER
FWP12	7/8 ID X 1.5 OD X 0.05 THK SSFW
H12B-H	1/2 inch BLUE HOSE - GOODYEAR HORIZON
H14B-H	1/4 INCH BLUE HOSE- GOODYEAR HORIZON
H38B-H	3/8 inch BLUE HOSE - GOODYEAR HORIZON
HBSS1212	STAINLESS HOSE BARB 1/2 X 1/2
HBSS1238	STAINLESS HOSE BARB 1/2mpt X 3/8 barb Tariff 8479.90.9496
HBSSEL1238	304 S.S. 1/2in MPT BY 3/8in H.B. ELBOW
HBSSEL1814	304 STAINLESS ELBOW 1/8 INCH NPT X 1/4 INCH HOSE BARB
HHPB1214	HEX HEAD POLY REDUCER BUSHING 1/2in X 1/4in
HHPB3412	HEX HEAD POLY REDUCER BUSHING 3/4 X 1/2
HV60	1/2in STAINLESS BALL VALVE - w/ WELDED NUT
P14	COUNTERSUNK PLUG-HEXAGON 1/4
P56	5700 PUMP WITH SANTOPRENE SEALS - INCLUDES HOSE BARBS, AIR FITTING, AND AIR PORT
P56K	5700 PUMP WITH KALREZ SEALS - INCLUDES HOSE BARBS, AIR FITTING, AND AIR PORT
P56V	5700 PUMP WITH VITON SEALS - INCLUDES HOSE BARBS, AIR FITTING, AND AIR PORT
20756103B	Polypro G57 Air Port x HB Straight, w/ Viton o-ring
HB14P	1/4in BRASS HB AIR FITTING /G57/P56
HB5638	HOSE BARB FOR P56 PUMP
HB5638K	HOSE BARB FOR P56K PUMP
HB5638V	HOSE BARB FOR P56V PUMP
P56-BRKT	PUMP BRACKET- STAINLESS STEEL
P56-BRKT-SCREW	HI LO SCREW FOR RETAINING P56-BRKT
PLPF	PORTABLE FOAMER BACK PLATE W/ HINGE AND HOLES
PLPF-PIN	302 STAINLESS PORTABLE PLATE HINGE PIN
PLUG 3/4	TUBING PLUG 3/4 (FITS 11/16 HOLE)
PVCV34FM	PVC VALVE 3/4in FPT X 3/4in MPT
PW10	3/4in BLACK POLY PRO X 10in - FPTBE - SCH.80
R25	AIR REGULATOR - SILVER COLOR - 1/4fpt TWO PORT 1/8fpt TWO PORT - INCLUDES FILTER AND BOWL
AFR25	AIR FILTER for R25
ABR25	METAL AIR BOWL for R25
S142058-VS	1/4-20 X 5/8 PHIL TRUSS MACHINE SCREW 18-8 W/#516 VIBRASEAL ORANGE PATCH
S5161812	5/16-18 x 1/2 Phil Pan 18-8
SN1212	1/2in HEX STAINLESS STEEL NIPPLE
SSA14	SS304 MALE/FEMALE ADAPTOR 1/4 NPT X 1/4 NPT
SSAXLE20.5	STAINLESS STEEL AXLE 20.5 INCHES LONG BY 5/8 INCH IN DIAMETER DRILLED AND BEVELED
SSC12	WORM GEAR CLAMP, S/S (.31-.91)
SSC38	WORM GEAR CLAMP, S/S (.25-.63)
SSP12	STAINLESS STEEL AXLE PLATE - 2.5 inch X 1 inch - 2 HOLE
ST1510	VEEJET NOZZLE, BRASS 1510
ST2508	VEEJET NOZZLE, BRASS 2508
ST4008SS	VEEJET NOZZLE, S.S. 4008
STR38-IL	IN LINE STRAINER 3/8 BARB 20 MESH 304 STAINLESS EDPM GSKT
TANK-30N	ROTO MOLDED 30 GALLON UNIT W/ HANDLE
TANK-30N-HNDL-P	TANK-30N HANDLE
TIE7.25	7.25in BLACK CABLE TIE
TW916	1/2 INT TOOTH L/W 410SS
W15	NONMARKING WHEEL FOR PORTABLE UNITS
WS-20CFM	TSUNAMI WATER SEPARATOR 20 CFM